LSD37

Engine Room Hot & Cold Checks/Tests

INSTALLED FIREFIGHTING EQUIPMENT	LC	DA	IA IA		
	Fwd	Aft	Fwd	Aft	
Halon MRC S-10 demonstration					
Halon MRC 18M-3R demonstration					
Halon bottle cal stickers, pressure, piping/nozzle					
integrity					
Halon actuation station integrity					
AFFF system operational test					
AFFF hosereel/nozzle operation					
Refractometer test (MIP 5551)					
Valve alignment/labeling					
Concentrate level in tank					
Space cutouts locked open					
AFFF hosereel activation stations					
Ellison door closure/Escape trunk lighting and integrity					
Main Engine)A	-	A	
	NR 1 ME	NR 2 ME	NR 1 ME	NR 2 ME	
Three point check					
Lube Oil sump level indicator					
Low Lube Oil Pressure Alarm					
Standby/Emergency LO Pump auto-start					
LO Pump Sequencing					
Unloader operation					
Operation of turning gear and shaft locking device					
Guarding valve remote operation					
Cycle ahead and astern throttle through full travel					
Wrong direction alarm					
EOT and ROT transmitter operation					
Operation of gland exhaust fan					
Shift, Inspect, and Clean Lube Oil Strainer (verify					
strainer basket integrity; vent valve, drain valve,					
equalizing valve operation; plug cock leakage; shaifting					
interlock; differential pressure)					
Spray shield integrity					
Gland seal regulator in parameter					
Vent fog precipitator operation					
MAIN CIDCLE ATING WATER CVCTEM	1.0	<u> </u>		Λ	
MAIN CIRCULATING WATER SYSTEM)A L NDO		A NDO	
Con volve automatic/remeta aparation	NR1	NR2	NR1	NR2	
Sea valve automatic/remote operation					
Emergency bilge suction valve operation					
Pump SLG for freedom of movement					
Pump SLG operation					

IP'S SERVICE TURBINE GENERATOR	LOA		.OA IA		
	1A	1B	1A	1B	
Manual Trip					
Low LO Trip					
Backpressure Trip					
Low LO alarm					
Operation of elect LO pump and manual LO pump					
Sample lube oil, sump level, dipstick					
Rotor position, bearing temps, oil flow through SFIs					
Vent fog precipitator operation					
Alarm panel					
Gland seal operation					
Operation of Aux Circ Pump and Aux Cond Pump					
Shift, Inspect, and Clean Lube Oil Strainer. (Lube oil					
strainer spray shield integrity, plug cock leakage,					
differential pressure, interlocks.)					
Airbox telltale drains, temp alarms					
Overspeed Trip (manual trip must be demonstrated					
first)					
Reverse power relay trip operation					
Governor high and low speed stops (generator not					
overspeed before reaching the high speed stop)					
	2A	2B	2A	2B	
Manual Trip					
Low LO Trip					
Backpressure Trip					
Low LO alarm					
Operation of elect LO pump and manual LO pump					
Sample lube oil, sump level, dipstick					
Rotor position, bearing temps, oil flow through SFIs					
Vent fog precipitator operation					
Alarm panel					
Gland seal operation					
Operation of Aux Circ Pump and Aux Cond Pump					
Shift, Inspect, and Clean Lube Oil Strainer. (Lube oil					
strainer spray shield integrity, plug cock leakage,					
differential pressure, interlocks.)					
Airbox telltale drains, temp alarms					
Overspeed Trip (manual trip must be demonstrated					
first)					
Reverse power relay trip operation					
Governor high and low speed stops (generator not					
overspeed before reaching the high speed stop)					

AUXILIARY TURBINE DRIVEN EQUIPMENT	10)A	I IA		
THE PROPERTY OF THE PROPERTY O		NR2 SLOP		•	
SLG freedom of movement		11112 0201	0201	11112 0201	
Position of overload nozzle					
Turn pump by hand	<u> </u>				
SLOP idle set point					
SLG at set point					
Constant speed governor proper operation					
Manual/emergency trip valve operation					
Low LO pressure trip restart feature					
Pump running in parameters					
MAINI CLIA ETINIC	1.0	> A		^	
MAIN SHAFTING		DA OTRR		A	
	PORT	STBD	PORT	STBD	
Stern tube flushing and cooling water supply, filtering					
system, and leak-by.					
Inflatable seal air/CO2 supply					
Inflatable boot operation					
Shaft coupling guards, slip ring and brush rigging					
condition, bulkhead seals					
Line shaft bearing sump level, dip-stick, oiler ring					
inspection, security seals, labels (IC, BC, date), lube oil					
sample					
ou.mp.o	<u> </u>				
MAIN CONDENSATE PUMPS	10)A	1	A	
WAIN CONDENGATE I OWI O	1A	1B	1A	1B	
Run direction of rotation	1/4	10	IA	10	
Start/stop controller function					
Starvstop controller function	2A	2B	2A	2B	
Run direction of rotation	ZA	<u> </u>	ZA	ZD	
Start/stop controller function					
MAIN CIVITOURS ARROADES A DISTRIBUTION RANGE S		. .		•	
MAIN SWITCHBOARDS & DISTRIBUTION PANELS		DA NIDO		A	
	NR1	NR2	NR1	NR2	
Ground Check					
AUTOMATIC / MANUAL BUS TRANSFERS		DA		Α	
<u> </u>	FWD	AFT	FWD	AFT	
ABT operation in both automatic and manual modes					
Shift MBT, check manual interlock (both sources					
available)					
SALINITY ALARM PANELS	LC	DA	I	A	
	FWD	AFT	FWD	AFT	
Salinity panel meter calibration test					
Salinity panel alarm set points					
Evaporator automatic dump valve set point					
Alarm panel silent alarm test					
	1				
Alarm panel circuit failure test					

Vacuum drag piping Tank level controls when on vacuum drag ELECTRIC FIRE PUMPS LOA NR3 NR4 NR3 NR4 NR3 NR4 NR3 NR4 Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) STEAM DRIVEN FIRE PUMPS LOA NR3 NR4 NR5 NR6 NR7 Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) STEAM DRIVEN FIRE PUMPS LOA NR 2 NR 5 CPR proper operation Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) MAIN DRAINAGE SYSTEM LOA FWD AFT FWD AFT FWD AFT FWD AFT Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all) LOW PRESSURE AIR SYSTEMS LOA NR 1 NR 2 NR 1 NR	FRESH WATER DRAIN COLLECTION TANK	L	DA AC	IA		
ELECTRIC FIRE PUMPS LOA IA NR3 NR4 NR3 NR4 Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) NR6 NR7 NR6 NR7 Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) STEAM DRIVEN FIRE PUMPS ANR 2 NR 5 CPR proper operation Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) MAIN DRAINAGE SYSTEM Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all) LOW PRESSURE AIR SYSTEMS LOA IA NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA IA FWD AFT FWD		FWD	AFT	FWD	AFT	
ELECTRIC FIRE PUMPS LOA NR3 NR4 NR5 NR7 NR6 NR7 NR6 NR7 NR6 NR7 NR6 NR7 NR6 NR7 Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) STEAM DRIVEN FIRE PUMPS LOA NR 2 NR 5 CPR proper operation Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) Check-valve pack leakage (no backwards pump rotation) MAIN DRAINAGE SYSTEM LOA FWD AFT FWD AFT NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA FWD AFT FWD AFT FWD AFT	Vacuum drag piping					
Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) STEAM DRIVEN FIRE PUMPS CPR proper operation Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) MAIN DRAINAGE SYSTEM MAIN DRAINAGE SYSTEM LOA FWD AFT FWD AFT FWD AFT FWD AFT LOA FWD AFT Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all) LOW PRESSURE AIR SYSTEMS LOA IA NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA IA FWD AFT FWD AFT FWD AFT	Tank level controls when on vacuum drag					
Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) STEAM DRIVEN FIRE PUMPS CPR proper operation Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) MAIN DRAINAGE SYSTEM MAIN DRAINAGE SYSTEM LOA FWD AFT FWD AFT FWD AFT FWD AFT LOA FWD AFT Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all) LOW PRESSURE AIR SYSTEMS LOA IA NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA IA FWD AFT FWD AFT FWD AFT						
Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) NR6 NR7 NR6 NR7 Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) STEAM DRIVEN FIRE PUMPS IA NR 2 NR 5 CPR proper operation Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) MAIN DRAINAGE SYSTEM MAIN DRAINAGE SYSTEM LOA IA FWD AFT FWD AFT Aign and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all) LOW PRESSURE AIR SYSTEMS LOA IA NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA IA FWD AFT FWD AFT	ELECTRIC FIRE PUMPS	L	DΑ		A	
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Check-valve pack leakage (no backwards pump rotation) Relectric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) STEAM DRIVEN FIRE PUMPS READ PRIVEN FIRE PUMPS IA NR 2 NR 5 CPR proper operation Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) MAIN DRAINAGE SYSTEM Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all) LOW PRESSURE AIR SYSTEMS LOA IA NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA IA FWD AFT FWD AFT FWD AFT						
Totation NR6 NR7 NR6 NR7 NR6 NR7	Suction/discharge valve local/remote operation					
Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) STEAM DRIVEN FIRE PUMPS A	Check-valve pack leakage (no backwards pump					
Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) STEAM DRIVEN FIRE PUMPS IA NR 2 NR 5 CPR proper operation Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) MAIN DRAINAGE SYSTEM LOA FWD AFT FWD AFT Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all) LOW PRESSURE AIR SYSTEMS LOA NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA IA FWD AFT FWD AFT FWD AFT	rotation)					
Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) STEAM DRIVEN FIRE PUMPS IA NR 2 NR 5 CPR proper operation Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) MAIN DRAINAGE SYSTEM LOA FWD AFT Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all) LOW PRESSURE AIR SYSTEMS LOA NR 1 NR 2 AIR PILOT/DIAPHRAGM OPERATED VALVES LOA FWD AFT		NR6	NR7	NR6	NR7	
Check-valve pack leakage (no backwards pump rotation) STEAM DRIVEN FIRE PUMPS IA	Electric pump local & remote start/stop					
STEAM DRIVEN FIRE PUMPS	Suction/discharge valve local/remote operation					
STEAM DRIVEN FIRE PUMPS	Check-valve pack leakage (no backwards pump					
STEAM DRIVEN FIRE PUMPS IA						
CPR proper operation Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation) MAIN DRAINAGE SYSTEM LOA FWD AFT FWD AFT Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all) LOW PRESSURE AIR SYSTEMS LOA IA NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA IA FWD AFT FWD AFT FWD AFT		*		<u>I</u>		
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Check-valve pack leakage (no backwards pump rotation) MAIN DRAINAGE SYSTEM LOA FWD AFT FWD AFT FWD AFT Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all) LOW PRESSURE AIR SYSTEMS LOA NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA IA FWD AFT FWD AFT FWD AFT	CPR proper operation					
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MAIN DRAINAGE SYSTEM LOA FWD AFT FWD AFT FWD AFT Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all) LOW PRESSURE AIR SYSTEMS LOA IA NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA IA FWD AFT FWD AFT	Check-valve pack leakage (no backwards pump					
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Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all) LOW PRESSURE AIR SYSTEMS LOA IA NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES EWD AFT FWD AFT FWD AFT						
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Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all) LOW PRESSURE AIR SYSTEMS LOA IA NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA FWD AFT FWD AFT		FWD	AFT	FWD	AFT	
Bilge suction strainers Cycle main drains at local and remote stations (all) LOW PRESSURE AIR SYSTEMS LOA NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA IA FWD AFT FWD AFT						
Cycle main drains at local and remote stations (all) LOW PRESSURE AIR SYSTEMS LOA NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA FWD AFT FWD AFT						
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NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA IA FWD AFT FWD AFT	Cycle main drains at local and remote stations (all)					
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Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA FWD AFT FWD AFT	LOW PRESSURE AIR SYSTEMS					
Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA FWD AFT FWD AFT		NR 1	NR 2	NR 1	NR 2	
Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA FWD AFT FWD AFT						
Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA FWD AFT FWD AFT						
checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA FWD AFT FWD AFT						
Low control air alarm Compressor lead/lag settings AIR PILOT/DIAPHRAGM OPERATED VALVES LOA FWD AFT FWD AFT	· · · · · · · · · · · · · · · · · · ·					
Compressor lead/lag settings LOA IA AIR PILOT/DIAPHRAGM OPERATED VALVES LOA FWD AFT FWD AFT	checked by removing the stage cannon plug)					
AIR PILOT/DIAPHRAGM OPERATED VALVES LOA FWD AFT FWD AFT	Low control air alarm					
FWD AFT FWD AFT	Compressor lead/lag settings					
FWD AFT FWD AFT				1		
	AIR PILOT/DIAPHRAGM OPERATED VALVES	L		-		
Manually stroke, check for binding		FWD	AFT	FWD	AFT	
	Manually stroke, check for binding					

VENTILATION	LOA		ļ	A
	FWD	AFT	FWD	AFT
Indicator lights				
Start/stop and high/low from local station				
Start/stop and high/low from remote station				

DISTILLING PLANT	LOA		IA	
	NR 1	NR 2	NR 1	NR 2
All pumps operating correctly				
Dump valve set point/automatic function				
Operating in parameters (temp/press/salinity)				

AUXILIARY MACHINERY COOLING WATER	LOA		IA	
	FWD	AFT	FWD	AFT
AMCW Pump direction of rotation/output pressure				
AMCW Pump local/remote start/stop controller function				
Emergency reducer on line, able to maintain set-point				

LSD37 Fire Room Hot & Cold Checks/Tests

DILER BURNER FRONT	I	IA		A
	NR 1	NR 2	NR 1	NR 2
Quick closing valves at local and remote				
Burner root valve/SSD/ball check leakage				
Three-way valve operation and marking				
FO control valve/micrometer valve proper				
Air register freedom of movement				
Steam smothering system alignment				
Air casing lighting				
Steam atomization temperature				
Periscope lighting and alignment				
Sufficient number of burner barrels and				
Sample cooler preservation, operability,				
Soot blower element rotation/freedom of				
Main/Aux steam stops cycle locally/remotely				
Safety valve yoke clearance, lifting fork				
Pri/Sec RWLI tracking high/low water				
Boiler gage glass isolation valves &				
Sliding foot freedom of movement				
Test BID ac/dc power supply and operation,				
Bottom blow valve fasteners, orifice caps				

FUEL OIL SERVICE SYSTEM	LOA		IA			
	NR 1A	NR 1B	NR 1E	NR 1A	NR 1B	NR 1E
Electric FO pump local/remote shutdown						
Electric FO pump discharge unloader						
Steam FOSP steam trip remote/local						
Clean Helan strainer						
	NR 2A	NR 2B	NR 2E	NR 2A	NR 2B	NR 2E
Electric FO pump local/remote shutdown						
Electric FO pump discharge unloader						
Steam FOSP steam trip remote/local						
Clean Helan strainer						

MAIN FEED PUMPS	LOA				IA		
	NR 1A	NR 1B	NR 1E	NR 1A	NR 1B	NR 1E	
MFP low suction trip	0	Χ		0	Χ		
MFP constant pressure regulator	0	Х		0	Х		
Emergency feed pump able to support boiler			Х			Х	
	NR 2A	NR 2B	NR 2E	NR 2A	NR 2B	NR 2E	
MFP low suction trip	0	Х		0	Х		
MFP constant pressure regulator	0	Х		0	Х		
Emergency feed pump able to support boiler			Х			Х	

MAIN FEED BOOSTER PUMPS		LOA		A
	NR 1A	NR 1B	NR 1A	NR 1B
MFBP low discharge pressure alarm				
MFBP auto-start				
MFBP operating within normal parameters				
	NR 2A	NR 2B	NR 2A	NR 2B
MFBP low discharge pressure alarm				
MFBP auto-start				
MFBP operating within normal parameters				

ELECTRIC FORCED DRAFT BLOWERS	LOA		l,	Д
	NR 1	NR 2	NR 1	NR 2
Electric light-off blower operation/shutter				

FORCED DRAFT BLOWERS	LOA		IA	
	NR 1A	NR 1B	NR 1A	NR 1B
Shutter freedom of movement, capability to				
Manual LO pump operation				
LO system low pressure alarm				
LO system low pressure trip				
FDB minimum speed set point				
FDB SLG operation				
	NR 2A	NR 2B	NR 2A	NR 2B
Shutter freedom of movement, capability to				
Manual LO pump operation				
LO system low pressure alarm				
LO system low pressure trip				
FDB minimum speed set point				
FDB SLG operation				

AUT	OMATIC BOILER CONTROLS	LOA		IA	
(OLV/ABC not installed on LPD/AGF)	NR 1	NR 2	NR 1	NR 2
(Operation/tracking of all final control				
(Operation of master/element air locks,				
/	All control element fail positions correct				
I	Minimum signal selector (up ramp, FO				
I	-W control stability in automatic				

DEAERATING FEED TANK		LOA		IA	
		NR 1	NR 2	NR 1	NR 2
Operabilit	y of the MUF and dump valves				
Upper/lov	ver shell temperatures in				
D.O. test	satisfactory, less than 15 ppb				
Aux exha	ust system valve sequencing				

SALINITY ALARM PANELS		LOA		IA			
		-WD	AFT	FWD	AFT		
Salinity panel meter calibration test							
Salinity panel alarm set points							
Alarm panel silent alarm test							
Alarm panel circuit failure test							
<u> </u>							
FIRE ROOM REMOTE OPERATORS		LOA		IA			
	F	-WD	AFT	FWD	AFT		
Cycle boiler stops at local and rem							
Cycle FO cut-outs at local and ren	note						
•				•	_		
MAIN DRAINAGE SYSTEM			.OA	IA			
	F	-WD	AFT	FWD	AFT		
Align and operate eductor							
Cycle main drains at local and ren	note						
AIR PILOT/DIAPHRAGM OPERATED		LOA		IA			
		-WD	AFT	FWD	AFT		
Manually stroke, check for binding	9						
	_						
FUEL OIL TRANSFER SYSTEM	_	LOA		IA			
		-WD	AFT	FWD	AFT		
FOTP operation/demonstrate FO	transfer						
	_						
BILGE & STRIPPING SYSTEM	L-		.OA		IA		
		-WD	AFT	FWD	AFT		
Align and perform token stripping							
Align and perform token pumping	of bilge						
011 1 4 5							
OIL LAB			OA	EWD	IA		
		-WD	AFT	FWD	AFT		
Conduct a thief sample on fuel oil			1				
Conduct dissolved Oxygen test or	η DF1.		+		+		
Conduct Hydrazine test on DFT.			+		+		
Sample and test Boiler.							

LSD37 Auxiliaries Hot & Cold Checks/Test

Auxiliaries Tiol & Cold Crie	50K3/ 1 C	ા		
INSTALLED FIREFIGHTING EQUIPMENT	LOA IA			
INOTALLED FINE IGHTING EQUIPMENT			FWD EDG	-
Halon MRC S-10 demonstration	I WD LDG	AI I LDG	I WD LDG	AI I LDG
Halon MRC 18M-3R demonstration				
Halon bottle cali stickers, pressure,				
Halon actuation station integrity				
AFFF system operational test				
AFFF hosereel/nozzle operaion				
Space cutouts locked open				
AFFF hosereel activation stations				
EMERGENCY GENERATOR & SWITCHBOARD	LOA		IA FWD EDG AFT EDG	
-	FWD EDG	AFT EDG	FWD EDG	AFT EDG
Check condition of batteries				
Check batteries specific gravity				
Generator "drop test", ability to assume load				
Generator manual trip				
Generator overspeed trip				
Generator low lube oil alarm/trip				
Generator remote shutdown device				
Generator JW high temp alarm				
Generator JW expansion tank low level alarm				
Generator Barring device interlock				
Generator Pre-lube pump operation				
SICLOS lube oil strainer				
Obtain and test jacket water sample				
Obtain and test lube oil fir dilution/acidity				
Generator Pedestal bearing high temp alarm				
Generator space CO2 flooding				
Generator salt water circ pump operation				
Generator emergency salt water reducing				
Check emergency switchboard for grounds				
Generator day tank level				
Space ABT operation				
Generator operating at normal temperatures &				
MAIN DRAINAGE SYSTEM	1.0	DA	1	A
WAIN DIVAINAGE STOTEW			FWD EDG	-
Align and operate eductor	I WD LDG	AI I LDG	I WD LDG	AI I LDG
Cycle main drains at local and remote stations FUEL OIL TRANSFER SYSTEM	1.0	DA		A
FUEL OIL TRANSPER STSTEW	FWD EDG		FWD EDG	-
FOTD as a set on /de se a set set o FO transfer	FWD EDG	AFTEDG	FWD EDG	AFTEDG
FOTP operation/demonstrate FO transfer				
ELECTRIC FIRE DUMPO	104	1.0	1	
ELECTRIC FIRE PUMPS	LOA	IA		
Electric group level 0	NR 1	NR 1		
Electric pump local & remote start/stop				
Pump auto-start capability				
Suction/discharge valve local/remote operation				
Check-valve pack leakage (no backwards				